

# Notice of Allowability

Application No.

09/719,523

Examiner

Prabodh M Dharra

Applicant(s)

ISONO ET AL.

Art Unit

2673

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01-24-2005.
2. ☒ The allowed claim(s) is/are 42-45,54-63 and renumbered as 1-14.
3. ☒ The drawings filed on 13 December 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892) ✓
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), ✓  
Paper No./Mail Date 03-16-04, 04-26-01, 06-10-02, 04-01-05,  
05-10-05
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

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1. **Status:** Receipt is acknowledged of papers submitted 01-24-2005, under amendments and reconsideration, which, have been placed of record in the file. Claims 42-45, 54-63 are pending in this office action. Claims 1-41, 46-53 are cancelled.

***Response to Amendment***

2. The Applicant's has amended independent claims 42-45, 54 and cancelled the claims 1-41, and 46-53, and added new claims 54-63. This amended and new claims with examiner amendments, overcomes prior art rejection, which puts application number 09/719,523 in condition for allowance.

**EXAMINER'S AMENDMENT**

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a personal interview with Leonard P. Diana April 28, 2005.

The application has been amended as follows:

**In the drawings**

On page 28/31, After "FIG. 28" add "PRIOR ART".

On page 29/31, After "FIG. 29" add "PRIOR ART".

On page 30/31, After "FIG. 30" add "PRIOR ART".

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On page 31/31, After "FIG. 31" add "PRIOR ART".

Following examiner's amendment authorization was given in a personal interview with Frank Delucia May 16, 2005.

The application has been amended as follows:

**In the Claims**

On page 2, Claim 42, Line 2, after word "image" add "by irradiating a fluorescent substrate with electrons from an electron source; an acceleration potential supply circuit for supplying to said display panel an acceleration potential for accelerating electrons from the electron source;".

On page 3, Claim 43, Line 2, after word "image" add "by irradiating a fluorescent substrate with electrons from an electron source; an acceleration potential supply circuit for supplying to said display panel an acceleration potential for accelerating electrons from the electron source;".

On page 4, Claim 44, Line 2, after word "image" add "by irradiating a fluorescent substrate with electrons from an electron source; an acceleration potential supply circuit for supplying to said display panel an acceleration potential for accelerating electrons from the electron source;".

On page 5, Claim 45, Line 2, after word "image" add "by irradiating a fluorescent substrate with electrons from an electron source; an acceleration potential supply circuit for supplying to said display panel an acceleration potential for accelerating electrons from the electron source;".

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On page 5, Claim 45, Line 8, after words “power to” add “said acceleration potential supply circuit and/or”.

On page 5, Claim 45, Line 12, after word “from” add “said acceleration potential supply circuit and /or”.

On page 5, Claim 45, Line 15, after words “supplied” delete word “by” and add “at the initial stage after switching said first power source to”.

On page 6, Claim 54, Line 2, after word “image” add “by irradiating a fluorescent substrate with electrons from an electron source; an acceleration potential supply circuit for supplying to said display panel an acceleration potential for accelerating electrons from the electron source;”.

On page 6, Claim 54, Line 5, after words “power to” add “said acceleration potential supply circuit and/or”.

On page 6, Claim 54, Line 10, after word “from” add “said acceleration potential supply circuit and/or”.

On page 6, Claim 54, Line 12, after words “supplied” delete word “by” and add “at the initial stage after switching said first power source to”.

4. Claims 42-45 and 54-63 are allowed.

5. The following is an examiner’s statement of reasons for allowance:

an image display apparatus comprising: a display panel for displaying an image by irradiation a fluorescent substance with electrons from an electron source to; an acceleration potential supply circuit for supplying to the display panel an acceleration

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potential for accelerating electrons from the electron source; a scanning circuit for supplying a scanning signal to the display panel; a modulation circuit for supplying a modulation signal to the display panel; and **a control circuit for stopping output from the scanning circuit and/or the modulation circuit to the display panel and a first power source for supplying power to the acceleration potential supply circuit and/or the scanning circuit and/or the modulation circuit and a second power source for supplying power to said scanning circuit and/or said modulation circuit upon an emergency state and a control circuit for stopping output from said supply of the acceleration potential to the scanning circuit and/or the modulation circuit at the initial stage after switching from said first to said second power source.**

The cited references on 892's fails to anticipate individually as well as render obviousness individually or in combination above bold underlined recited claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prabodh M Dharia whose telephone number is 571-272-7668. The examiner can normally be reached on M-F 8AM to 5PM.

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7. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:


Commissioner of Patents and Trademarks

Washington, D.C. 20231

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05-16-2005



VIJAY SHANKAR  
PRIMARY EXAMINER